Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/21/2017 10:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124212	-1	1.87	124094	1.85
Blue	F	SSC	125000	123460	-2	3.11	123844	2.96
Blue	E	FITC	21625	20964	-4	2.55	933	10.01
Blue	D	PE	26832	26539	-2	2.08	949	9.64
Blue	B	PerCP-Cy5-5	48027	47634	-1	3.37	1370	16.63
Blue	A	PE-Cy7	40971	40219	-2	5.19	622	35.03
Red	C	APC	49746	49146	-2	2.86	2834	9.39
Red	A	APC-Cy7	53615	52346	-3	2.90	1088	11.14
Violet	B	V450	14488	13964	-4	4.75	667	9.67
Violet	A	V500	55123	53562	-3	4.58	2374	7.05

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19215	6.21	605	7	N/A	N/A	Pass
Blue	F	SSC	61497	1.49	536	2	N/A	N/A	Pass
Blue	E	FITC	105	38.92	535	-1	0.0223	215	Pass
Blue	D	PE	208	28.91	532	1	0.1718	267	Pass
Blue	B	PerCP-Cy5-5	215	44.30	629	0	0.0105	105	Pass
Blue	A	PE-Cy7	68	114.05	678	-3	0.0121	9	Pass
Red	C	APC	331	26.91	589	-5	0.0207	39	Pass
Red	A	APC-Cy7	119	39.54	572	-8	0.0056	1467	Pass
Violet	B	V450	81	43.51	466	-5	0.0418	1845	Pass
Violet	A	V500	173	23.57	491	-5	0.0135	434	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.93	-31.29	0.89
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.31
Red	16.23	13.27 - 19.91	N/A	N/A	31.36	31.76	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9545

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments